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*J. Morris*  
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Murchie, A  
U.S. Serial No.: 09/839,649  
Filed (U.S.): April 19, 2001  
Entitled: Assay for Identification of a Test Compound

Group: 1645

Examiner: not yet assigned

Attorney Docket No.: 22620/1222

BOX MISSING PARTS  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**AMENDMENT**

Sir:

This paper is submitted in response to the Notice to File Missing Parts mailed by the USPTO on June 25, 2001.

**AMENDMENT**

**In the Specification:**

1. On page 18, please replace the third paragraph which extends from lines 11-15 with the following paragraph:

--The *tsr* gene (John Innes Foundation, Norwich) was cloned and overexpressed in *E.coli*. The methylation activity of the *tsr* methyltransferase was investigated using complete 23S *E.coli* rRNA and the 60mer mGAR from *Thermotoga maritima*. (sequence: GGCUGGGGAUGUUGGCUUAGAAGCAGCCAUCAUUUAAAGAGUGCGUAACAGCUCACCAGCC; SEQ ID NO: 1, with the methylation site underlined).--

2. On page 18, please replace the paragraph extending from lines 25-30 with the following paragraph:

--Four further RNA substrates were tested: the left-hand loop (LHL) 29mer of *E.coli* mGAR (GGAUGUUGGCUUAGAAGCAGCCAUCAUCC; SEQ ID NO: 2, methylation site underlined); a 17mer fragment of that 29mer (GGGCUUAGAAGCAGCCU; SEQ ID NO: 3, methylation site underlined); and *Homo sapiens* mGAR (GGCAGGGACGGUGGCCAUG GAAGUCGGAAUCCGCUAAGGAGUGUGUAACACUCACCUGCC; SEQ ID NO: 4, the underlined residue being the homologous position to the methylation site in prokaryotes).